

FIG. 2

| JPEG RAW DATA Rth                        |
|--|
|  |
| HEADER INFORMATION Hinf                  |
| JPEG HEADER Hth                          |
|  |
| JPEG RAW DATA O                          |
| JPEG RAW DATA 1                          |
| :  |
| JPEG RAW DATA n                          |
| SOUND DATA O(CORRESPONDING TO 3 FRAMES)  |
| SOUND DATA 1 (CORRESPONDING TO 3 FRAMES) |
|  |
| SOUND DATA n (CORRESPONDING TO 3         |
| FRAMES)  JPEG HEADER 0                   |
| JPEG HEADER 1                            |
| · ·                                      |
| JPEG HEADER n                            |
|  |
|  |
|  |
|  |

#### FIG. 3

<u> 26</u>

POSITION INFORMATION OF AUDIO DATA O SIZE INFORMATION OF AUDIO DATA O POSITION INFORMATION OF JPEG DATA O SIZE INFORMATION OF JPEG DATA O POSITION INFORMATION OF JPEG DATA 1 SIZE INFORMATION OF JPEG DATA 1 POSITION INFORMATION OF JPEG DATA 2 SIZE INFORMATION OF JPEG DATA 2 POSITION INFORMATION OF AUDIO DATA 1 SIZE INFORMATION OF AUDIO DATA 1 POSITION INFORMATION OF JPEG DATA 3 SIZE INFORMATION OF JPEG DATA 3 POSITION INFORMATION OF JPEG DATA 4 SIZE INFORMATION OF JPEG DATA 4 POSITION INFORMATION OF JPEG DATA 5 SIZE INFORMATION OF JPEG DATA 5 POSITION INFORMATION OF JPEG DATA n-1 SIZE INFORMATION OF JPEG DATA n-1 POSITION INFORMATION OF JPEG DATA n SIZE INFORMATION OF JPEG DATA n

FIG. 4

<u>52a</u>

| LIST<br>NUMBER | COMMAND | PARAMETER<br>1 | PARAMETER 2 | PARAMETER<br>3 | PARAMETER<br>4 |
|----------------|---------|----------------|-------------|----------------|----------------|
| 0              |         |                |             |                |                |
| 1              |         |                |             |                | -              |
| 2              |         |                |             |                |                |
| 3              |         |                |             |                |                |
| 4              |         |                |             |                |                |
| 5              |         |                |             |                |                |
|                |         |                |             |                |                |
| L-1            |         |                |             |                |                |
| L              |         |                |             |                |                |

FIG. 5

<u>52b</u>

|   | JPEG RAW DATA    |              | JPEG HEADER      |              | SOUND DATA       |              |
|---|------------------|--------------|------------------|--------------|------------------|--------------|
| i | SDRAM<br>ADDRESS | DATA<br>SIZE | SDRAM<br>ADDRESS | DATA<br>SIZE | SDRAM<br>ADDRESS | DATA<br>SIZE |
| 0 |                  |              |                  |              |                  |              |
| 1 |                  |              |                  |              |                  |              |
| 2 |                  |              |                  |              |                  |              |
| 3 |                  |              |                  |              |                  |              |
| 4 |                  |              |                  |              |                  |              |
| 5 |                  |              |                  |              |                  |              |
|   |                  |              |                  |              |                  |              |

FIG. 6

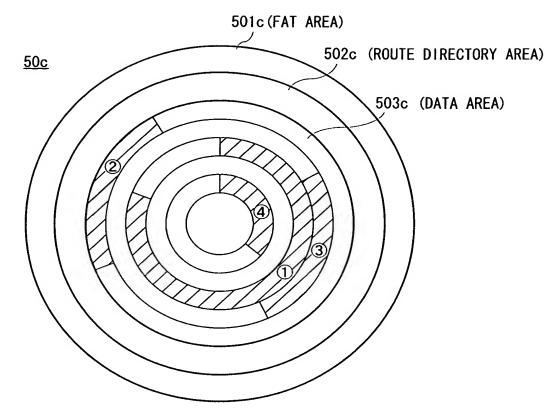
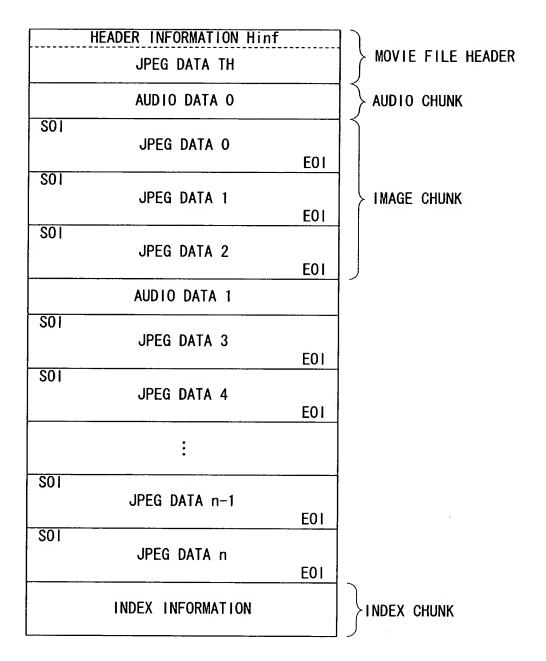


FIG. 7 52c

|   | HEAD ADDRESS | FREE SPACE SIZE |
|---|--------------|-----------------|
| 1 | 48           | 503             |
| 2 | 96           | 268             |
| 3 | 71           | 245             |
| 4 | 3            | 32              |
|   |              |                 |
| - |              |                 |
|   |              |                 |

FIG. 8



## FIG. 9(A)

POSITION INFORMATION OF JPEG DATA P

## FIG. 9(B)

POSITION INFORMATION OF JPEG DATA P

SIZE INFORMATION OF JPEG DATA P

POSITION INFORMATION OF JPEG DATA P

SIZE INFORMATION OF JPEG DATA P

INTERPOLATION

## FIG. 9(C)

POSITION INFORMATION OF JPEG DATA P
SIZE INFORMATION OF JPEG DATA P
POSITION INFORMATION OF JPEG DATA P
SIZE INFORMATION OF JPEG DATA P
POSITION INFORMATION OF JPEG DATA P+1
SIZE INFORMATION OF JPEG DATA P+1

# FIG. 10(A)

|     | JPEG RAW DATA    |            | JPEG HEADER      |            |
|-----|------------------|------------|------------------|------------|
| i   | SDRAM<br>ADDRESS | DATA SIZE  | SDRAM<br>ADDRESS | DATA SIZE  |
| Р   | P-th FRAME       | P-th FRAME | P-th FRAME       | P-th FRAME |
| P+1 |                  |            |                  |            |
| P+2 |                  |            |                  |            |

## FIG. 10(B)

|     | JPEG RAW DATA    |            | JPEG HEADER      |            |
|-----|------------------|------------|------------------|------------|
| i   | SDRAM<br>ADDRESS | DATA SIZE  | SDRAM<br>ADDRESS | DATA SIZE  |
| Р   | P-th FRAME       | P-th FRAME | P-th FRAME       | P-th FRAME |
| P+1 | P-th FRAME       | P-th FRAME | P-th FRAME       | P-th FRAME |
| P+2 |                  | Y          |                  |            |

1 FRAME NTERPOLATION

# FIG. 10(C)

|     | JPEG RAW DATA    |                 | JPEG HEA         | DER             |
|-----|------------------|-----------------|------------------|-----------------|
| i   | SDRAM<br>ADDRESS | DATA SIZE       | SDRAM<br>ADDRESS | DATA SIZE       |
| Р   | P-th FRAME       | P-th FRAME      | P-th FRAME       | P-th FRAME      |
| P+1 | P-th FRAME       | P-th FRAME      | P-th FRAME       | P-th FRAME      |
| P+2 | P+1-th<br>FRAME  | P+1-th<br>FRAME | P+1-th<br>FRAME  | P+1-th<br>FRAME |

## FIG. 11(A)

POSITION INFORMATION OF JPEG DATA P
SIZE INFORMATION OF JPEG DATA P
POSITION INFORMATION OF JPEG DATA P+1
SIZE INFORMATION OF JPEG DATA P+1

## FIG. 11(B)

POSITION INFORMATION OF JPEG DATA P
SIZE INFORMATION OF JPEG DATA P
POSITION INFORMATION OF JPEG DATA P+2
SIZE INFORMATION OF JPEG DATA P+2

1 FRAME THINNING

### FIG. 11(C)

POSITION INFORMATION OF JPEG DATA P
SIZE INFORMATION OF JPEG DATA P
POSITION INFORMATION OF JPEG DATA P+2
SIZE INFORMATION OF JPEG DATA P+2
POSITION INFORMATION OF JPEG DATA P+3
SIZE INFORMATION OF JPEG DATA P+3

## FIG. 12(A)

|     | JPEG RAW DATA    |                 | JPEG HEADER      |                 |
|-----|------------------|-----------------|------------------|-----------------|
| i   | SDRAM<br>ADDRESS | DATA SIZE       | SDRAM<br>ADDRESS | DATA SIZE       |
| Р   | P-th FRAME       | P-th FRAME      | P-th FRAME       | P-th FRAME      |
| P+1 | P+1-th<br>FRAME  | P+1-th<br>FRAME | P+1-th<br>FRAME  | P+1-th<br>FRAME |
| P+2 |                  |                 |                  |                 |

## FIG. 12(B)

|     | JPEG RAW DATA    |                 | JPEG HEA         | DER             |
|-----|------------------|-----------------|------------------|-----------------|
| i   | SDRAM<br>ADDRESS | DATA SIZE       | SDRAM<br>ADDRESS | DATA SIZE       |
| Р   | P-th FRAME       | P-th FRAME      | P-th FRAME       | P-th FRAME      |
| P+1 | P+2-th<br>FRAME  | P+2-th<br>FRAME | P+2-th<br>FRAME  | P+2-th<br>FRAME |
| P+2 |                  |                 |                  |                 |

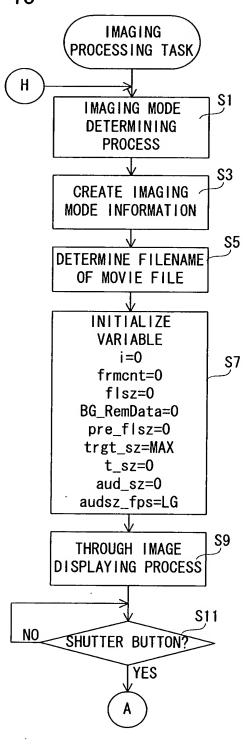
1 FRAME THINNING

# FIG. 12(C)

|     | JPEG RAW DATA    |                 | JPEG HEA         | DER             |
|-----|------------------|-----------------|------------------|-----------------|
| i   | SDRAM<br>ADDRESS | DATA SIZE       | SDRAM<br>ADDRESS | DATA SIZE       |
| Р   | P-th FRAME       | P-th FRAME      | P-th FRAME       | P-th FRAME      |
| P+1 | P+2-th<br>FRAME  | P+2-th          | P+2-th           | P+2-th          |
|     | P+3-th           | FRAME<br>P+3-th | FRAME<br>P+3-th  | FRAME<br>P+3-th |
| P+2 | FRAME            | FRAME           | FRAME            | FRAME           |



FIG. 13



12/20

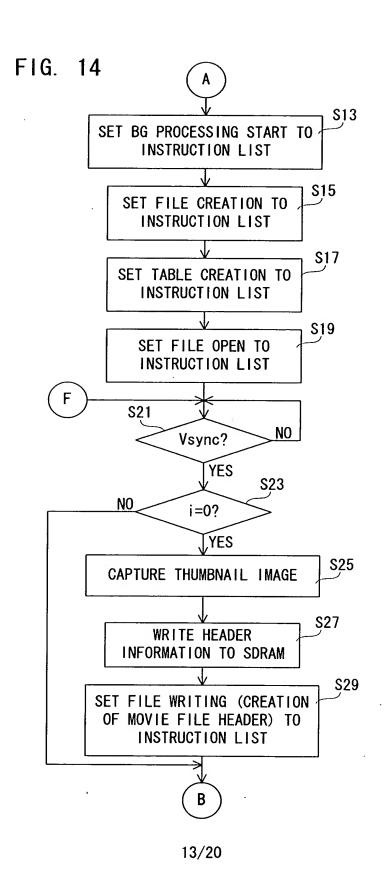
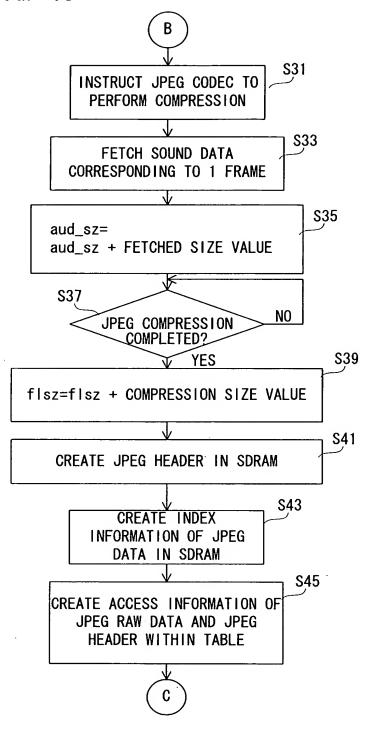


FIG. 15



14/20

FIG. 16

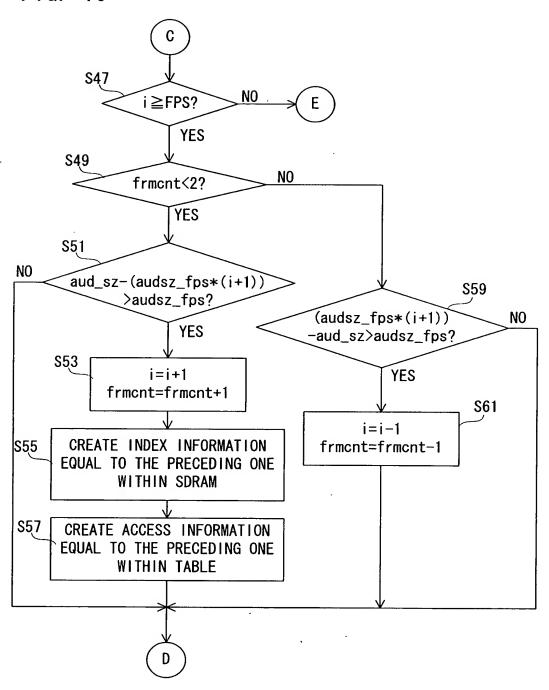
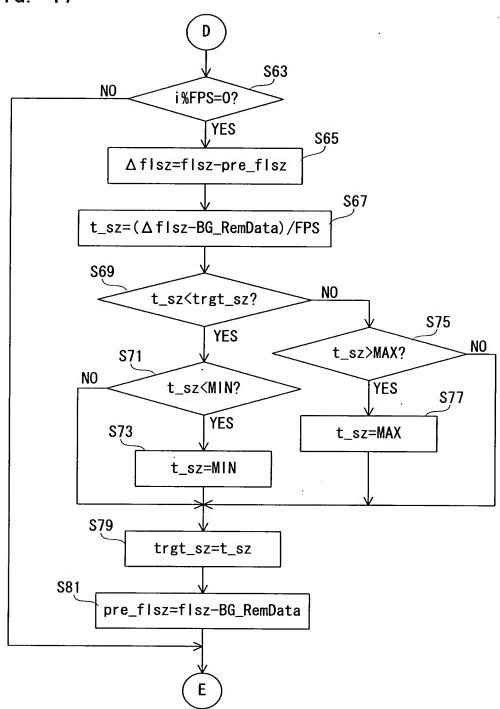


FIG. 17



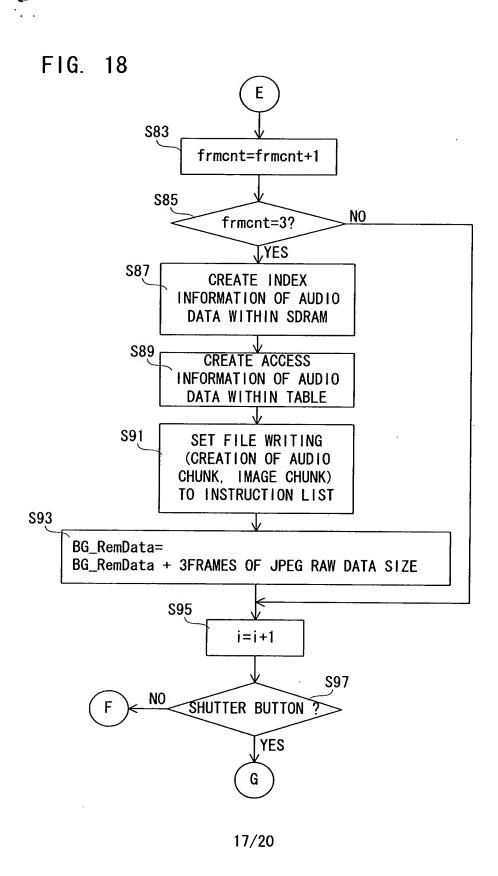
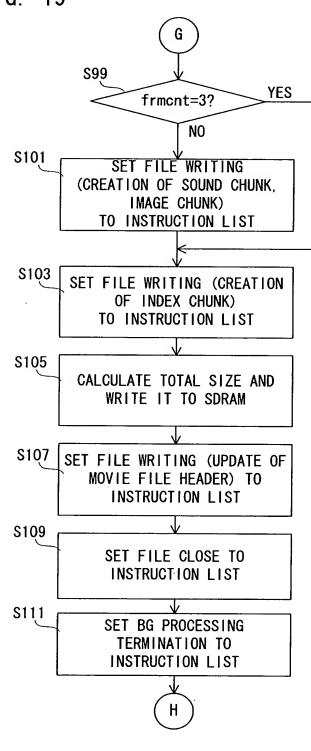


FIG. 19



18/20

FIG. 20

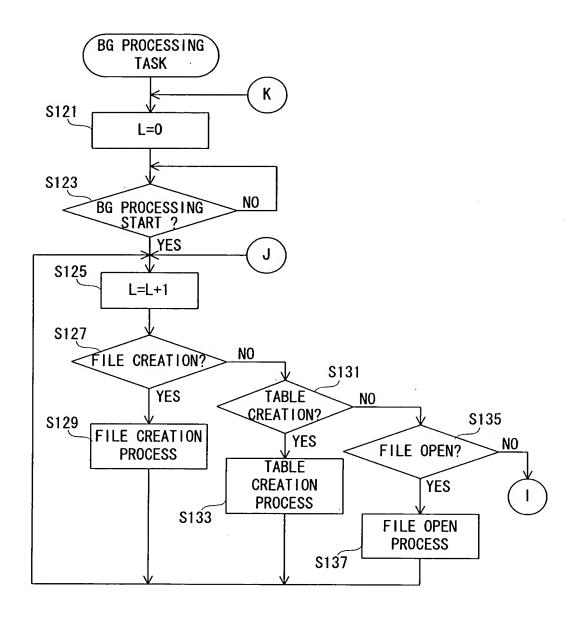


FIG. 21

